

# Adrien SY

Chicago, IL | (312) 607-6947 | [syadrien@gmail.com](mailto:syadrien@gmail.com) | [LinkedIn](#) | [GitHub](#) | H-1B

## Technical Skills

**Programming Languages:** Python | PySpark | R | SQL | .NET | Azure certified

**Data Visualization:** Power BI | DAX | Power Query | Tableau

**GIS:** Map creation, visualization, statistical analysis, and modeling | ArcGIS | Remote sensing

**Industry Knowledge:** Geosciences engineering | Environmental chemistry | Water resource

## Education

**The Data Incubator, USA** | Data Science Scholar

**September 2020**

**The University of Chicago, USA** | MS, Geophysical Sciences - Hydrogeology

**June 2020**

**Polytech Sorbonne, France** | MS, Earth Sciences Engineering

**September 2017**

## Experience

**ENABLON**

**June 2023 – Present**

**Software and Data Engineer | Environmental, CP&ESG**

- Design, test, code, and maintain software modules using proprietary and nonproprietary language with an Agile Scrum environment
- Provide technical support to the cross-functional Environmental team with the delivery of software around sustainability performance (air quality)
- Explore the migration and set up of a new ETL solution to enhance software performance
- Collaborate with the Product Team to translate domain needs into technical requirements
- Analyze and document existing processes (use case, data flow, and dictionary)

**WOLTERS KLUWER HEALTH**

**Jan 2021 – June 2023**

**Data Analyst | Pricing, Health, Clinical Effectiveness**

- Promoted data-driven decision-making for a SaaS (Software as a Service) company
- Managed data-related needs for 5 business teams, including the optimization of workflows & automatization of daily tasks
- Owned data integrity efforts aiming to strengthen analytics-based decisions by identifying data issues, designing, and implementing adequate fixes using Power BI and SQL
- Supported the deployment of data warehouses (Azure), data models, and data visualizations by performing detailed documentation (Confluence), ticketing (JIRA), tests, and reports

**THE UNIVERSITY OF CHICAGO**

**2017 – 2020**

**Research:**

- Modeled groundwater flow in the mid-continent region with 95% accuracy
- Mined, cleaned, and explored various climatic and geosciences databases over 10 years for sparse time-series analysis and hydrogeological budgeting
- Created a pipeline and trained a model for the prediction of landslide, occurrence using logistic regression, achieving 82% accuracy

**Teaching:**

- Taught 5 introductory science classes with 20 students to code with MATLAB